Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/12/2022 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126594	1	1.13	126562	1.11
Blue	F	SSC	125000	125067	0	2.13	125669	2.14
Blue	E	FITC	13602	13300	-3	2.22	372	13.79
Blue	D	PE	24891	24694	-1	1.6	588	10.54
Blue	B	PerCP-Cy5-5	33972	33507	-2	2.91	960	15.36
Blue	A	PE-Cy7	22865	22921	0	5.03	477	31.35
Red	C	APC	47198	47396	0	2.62	1638	11.57
Red	A	APC-Cy7	26454	25615	-4	2.98	724	12.21
Violet	B	V450	6737	6465	-5	3.71	450	11.25
Violet	A	V500	29317	28454	-3	3.37	970	8.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24591	2.22	568	33	N/A	N/A	Pass
Blue	F	SSC	56269	1.75	523	2	N/A	N/A	Pass
Blue	E	FITC	56	53.22	491	7	0.0392	52	Pass
Blue	D	PE	115	38.92	494	8	0.3964	313	Pass
Blue	B	PerCP-Cy5-5	152	41.96	589	10	0.0183	59	Pass
Blue	A	PE-Cy7	77	82.37	633	12	0.0210	1	Pass
Red	C	APC	346	26.1	576	4	0.0275	195	Pass
Red	A	APC-Cy7	136	34.42	552	1	0.0065	1339	Pass
Violet	B	V450	78	45.62	453	3	0.0616	2434	Pass
Violet	A	V500	114	29.91	473	4	0.0246	622	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/12/2022 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.62	-31.40	1.01
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	14.92	13.90 - 20.86	N/A	N/A	29.86	30.07	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10374

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments